

AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth below.

13. (CURRENTLY AMENDED) A CAD system comprising:

a memory unit having a processing information group and a process definition group, wherein the processing information group includes a process body data division which stores body information, and a process-contents division which stores information about contents of process operations, and wherein the process definition group contains definitions of a plurality of series of process operations,

a display device that displays an image;

an input device; and

a controller, in which upon selection of a series of process operations from the plurality of series of process operations and selection of a process-part to be removed from an original product body for expressing a shape of a portion to be removed from an original product body, via an the input device, a shape parameter of the selected process-part body is extracted from the original product body, a tool parameter for processing is determined based on the selected series of process operations and the extracted shape parameter, and a process body which represents a shape of a portion to be removed and corresponds to the selected part, is generated separately from the original product body information based on the selected series of process operations and the extracted shape parameter, information of the process body is stored in the process body data division, the tool parameter is stored in the process-contents division in relation to information of the process body, and the process body is displayed on the display device.

14. (CANCELED)

15. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~-14, wherein a variety of shapes are defined by using combinations of the tool definition groups.

16. (CANCELED)

17. (CANCELED)

18. (CANCELED)

19. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~-14, further comprising a display control unit which, upon selection from of the part from the original product a displayed body, displays work contents related to the processed process body.

20. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~-14, wherein the display device displays area differences or an interference region if there is any of the area differences between the original product body and the process body generated in correspondence with the parts to be processed shape of the process body and that of the selected part corresponding to the process body, or if the interference region exists between the process bodies therebetween.

21. (PREVIOUSLY PRESENTED) The CAD system according to Claim 20, wherein the area differences and the interference region are displayed in respective colors or patterns specific to the kind.

22. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~-14, wherein each piece of work content information stored in the process-contents division is an equivalent to a work instruction in a CAM, deletion of any of the bodies causing deletion of the related work contents.

23. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~14, further comprising a body data control unit which, upon specifying and copying the process body to another position, stores work contents for this another position in relation to the copy of the body.

24. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~14, further comprising a body data control unit which creates and displays, on a specific area of the display unit, information of the selected series of process operations upon the selection of the part process body.

25. (CURRENTLY AMENDED) The CAD system according to Claim 13-~~or~~14, where the process body is displayed in the system makes three-dimensional on a display device.

26. (CANCELED)

27. (CANCELED).

28. (CURRENTLY AMENDED) A computer program product readable medium containing instructions for creating CAD data for a CAD system comprising:
upon selection of a series of process operations from the a plurality of series of process operations and selection of a part to be removed from an original product a process body information for expressing a shape of a portion to be removed from an original product body via an input device, extracting a shape parameter of the selected part process body from the original product body,

determining a tool parameter for processing, based on the selected series of process operations and the extracted shape parameter,

generating a process body, separately from the selected part, based on the selected series of process operations and the extracted shape parameter,
~~storing information of the process body in the a process body data division,~~
~~storing information the tool parameter in the a process-contents division in relation to information of the process body, and~~
displaying the process body on the display device.

29. (CANCELED)

30. (New) The CAD system according to Claim 13, wherein the selected series of process operations contain a profiling operation.

31. (New) The CAD system according to Claim 28, wherein a shape of the process body differs from that of the selected part which corresponds to the process body.

32. (New) The computer readable medium according to Claim 28, wherein the selected series of process operations contain a profiling operation.

33. (New) The computer readable medium according to Claim 28, wherein a shape of the process body differs from that of the selected part which corresponds to the process body.